

**What is Claimed is:**

1           1.     A method of parsing an XML document, comprising the steps of:  
2                 defining type-specific object classes; and  
3                 associating the type-specific object classes with the XML document.

1           2.     A system of parsing an XML document, comprising:  
2                 a computer capable of receiving the XML document;  
3                 a code for operating the computer;  
4                 means for calling the code; and  
5                 a class declaration locatable by the code.

1           3.     A method of parsing an XML document, comprising the steps of:  
2                 acquiring the XML document;  
3                 associating the XML document with a call;  
4                 calling a code; and  
5                 creating a type specific object from the XML document because of the  
6                 code.

1           4.     A method of generating type-specific objects from XML, comprising the  
2                 steps of:  
3                 calling a code that operates on XML;  
4                 processing the code;  
5                 locating type-specific class associations;

6                    locating the type-specific class code via the step of processing; acquiring  
7                    the type-specific class code via the step of processing;  
8                    parsing the XML to obtain the type-specific objects, the step of parsing  
9                    being dictated by the type-specific class declarations from the step of locating and  
10                   according to a result of the step of processing.

1                   5.        A method of generating type-specific objects from a generic object,  
2                   comprising the steps of:  
3                          creating an XML document;  
4                          defining type-specific object classes corresponding to the type-specific  
5                   objects;  
6                          associating the type-specific object classes with the XML document;  
7                          parsing the XML document to instantiate the type-specific object classes;  
8                   and  
9                          obtaining the type-specific objects.

1                   6.        The method of claim 1, wherein the association is selected from  
2                   the group consisting of explicit association and implicit association.

3                   7.        The method of claim 6, wherein the explicit association is by specification  
4                   via the XML document or a DTD of the XML document.

5                   8.        The method of claim 6, wherein the implicit association is by publication  
6                   of type-specific classes, locators, or links to the Internet, a database, or a query engine.

8 document.

10 intelligent parser or a parser that uses instantiation directives.

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[illegible]